

CityFlex 48 - DMX protocol

Version 1.0

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
1	-	-	1	-	0-255	Red - all pixels Red LEDs saturation control (0-100%)	proportional
2	-	-	2	-	0-255	Green - all pixels Green LEDs saturation control (0-100%)	proportional
3	-	-	3	-	0-255	Blue - all pixels Blue LEDs saturation control (0-100%)	proportional
4	-	-	4	-	0-255	White - all pixels White LEDs saturation control (0-100%)	proportional
-	1	1	-	-	0-255	Red pixel 1 Red LED saturation control (0-100%)	proportional
-	2	2	-	-	0-255	Green pixel 1 Green LED saturation control (0-100%)	proportional
-	3	3	-	-	0-255	Blue pixel 1 Blue LED saturation control (0-100%)	proportional
-	4	4	-	-	0-255	White pixel 1 White LED saturation control (0-100%)	proportional
-	5	5	-	-	0-255	Red pixel 2 Red LED saturation control (0-100%)	proportional
-	6	6	-	-	0-255	Green pixel 2 Green LED saturation control (0-100%)	proportional
-	7	7	-	-	0-255	Blue pixel 2 Blue LED saturation control (0-100%)	proportional
-	8	8	-	-	0-255	White pixel 2 White LED saturation control (0-100%)	proportional
-	9	9	-	-	0-255	Red pixel 3 Red LED saturation control (0-100%)	proportional
-	10	10	-	-	0-255	Green pixel 3 Green LED saturation control (0-100%)	proportional
-	11	11	-	-	0-255	Blue pixel 3 Blue LED saturation control (0-100%)	proportional
-	12	12	-	-	0-255	White pixel 3 White LED saturation control (0-100%)	proportional
-	13	13	-	-	0-255	Red pixel 4 Red LED saturation control (0-100%)	proportional
-	14	14	-	-	0-255	Green pixel 4 Green LED saturation control (0-100%)	proportional

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
-	15	15	-	-	0-255	Blue pixel 4 Blue LED saturation control (0-100%)	proportional
-	16	16	-	-	0-255	White pixel 4 White LED saturation control (0-100%)	proportional
-	17	17	-	-	0-255	Red pixel 5 Red LED saturation control (0-100%)	proportional
-	18	18	-	-	0-255	Green pixel 5 Green LED saturation control (0-100%)	proportional
-	19	19	-	-	0-255	Blue pixel 5 Blue LED saturation control (0-100%)	proportional
-	20	20	-	-	0-255	White pixel 5 White LED saturation control (0-100%)	proportional
-	21	21	-	-	0-255	Red pixel 6 Red LED saturation control (0-100%)	proportional
-	22	22	-	-	0-255	Green pixel 6 Green LED saturation control (0-100%)	proportional
-	23	23	-	-	0-255	Blue pixel 6 Blue LED saturation control (0-100%)	proportional
-	24	24	-	-	0-255	White pixel 6 White LED saturation control (0-100%)	proportional
-	25	25	-	-	0-255	Red pixel 7 Red LED saturation control (0-100%)	proportional
-	26	26	-	-	0-255	Green pixel 7 Green LED saturation control (0-100%)	proportional
-	27	27	-	-	0-255	Blue pixel 7 Blue LED saturation control (0-100%)	proportional
-	28	28	-	-	0-255	White pixel 7 White LED saturation control (0-100%)	proportional
-	29	29	-	-	0-255	Red pixel 8 Red LED saturation control (0-100%)	proportional
-	30	30	-	-	0-255	Green pixel 8 Green LED saturation control (0-100%)	proportional
-	31	31	-	-	0-255	Blue pixel 8 Blue LED saturation control (0-100%)	proportional
-	32	32	-	-	0-255	White pixel 8 White LED saturation control (0-100%)	proportional
-	33	33	-	-	0-255	Red pixel 9 Red LED saturation control (0-100%)	proportional

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
-	34	34	-	-	0-255	Green pixel 9 Green LED saturation control (0-100%)	proportional
-	35	35	-	-	0-255	Blue pixel 9 Blue LED saturation control (0-100%)	proportional
-	36	36	-	-	0-255	White pixel 9 White LED saturation control (0-100%)	proportional
-	37	37	-	-	0-255	Red pixel 10 Red LED saturation control (0-100%)	proportional
-	38	38	-	-	0-255	Green pixel 10 Green LED saturation control (0-100%)	proportional
-	39	39	-	-	0-255	Blue pixel 10 Blue LED saturation control (0-100%)	proportional
-	40	40	-	-	0-255	White pixel 10 White LED saturation control (0-100%)	proportional
-	41	41	-	-	0-255	Red pixel 11 Red LED saturation control (0-100%)	proportional
-	42	42	-	-	0-255	Green pixel 11 Green LED saturation control (0-100%)	proportional
-	43	43	-	-	0-255	Blue pixel 11 Blue LED saturation control (0-100%)	proportional
-	44	44	-	-	0-255	White pixel 11 White LED saturation control (0-100%)	proportional
-	45	45	-	-	0-255	Red pixel 12 Red LED saturation control (0-100%)	proportional
-	46	46	-	-	0-255	Green pixel 12 Green LED saturation control (0-100%)	proportional
-	47	47	-	-	0-255	Blue pixel 12 Blue LED saturation control (0-100%)	proportional
-	48	48	-	-	0-255	White pixel 12 White LED saturation control (0-100%)	proportional
-	-	49	5	-	0 1-255	CTC No function Colour temperature correction from 20000K to 2700K	step proportional
-	-	50	6	1	0 0 1-15	<u>Colour macros – All pixels</u> No function (for DMX mode 3-4) White (for DMX mode 5) White tones (cool → warm)	step proportional

Mode/Channel					Value	Function	Type of control
1	2	3	4	5			
-	-	50	6	1	16 17-55 56 57 - 95 96 97 – 134 135 136 - 174 175 176 -214 215 216 - 254 255	Blue (Blue=full, Red+Green+White=0) Red=0, Green→up,Blue =full, White=0 Light Blue (Red=0, Green=full, Blue =full, White=0) Red=0, Green=full, Blue→down, White=0 Green (Red=0, Green=full, Blue =0, White=0) Red→up, Green=full, Blue=0, White=0 Yellow-green (Red=full, Green=full, Blue=0,White=0) Red=full, Green→down, Blue=0, White=0 Red (Red=full, Green=0, Blue=0, White=0) Red=full, Green=0, Blue→up, White=0 Magenta (Red=full, Green=0, Blue=full, White=0) Red→down, Green=0, Blue=full, White=0 Blue (Red=0, Green=0, Blue=full, White=0)	step proportional step proportional step proportional step proportional step proportional step
-	-	51	7	-	0-31 32-63 64-95 96-127 128-143 144-159 160-191 192-223 224-255	<u>Shutter/ Strobe –All pixels</u> Shutter closed Shutter open Strobe-effect from slow to fast Shutter open Opening pulses in sequences slow--> fast Closing pulses in sequences fast --> slow Shutter open Random strobe-effects from slow to fast Shutter open	step step proportional step proportional proportional step proportional step
-	-	52	8	2	0 - 255	<u>Dimmer-All pixels</u> Dimmer intensity from 0% to 100%	proportional